

A catalyst for converting NO<sub>x</sub> in exhaust gases from internal combustion engines to NH<sub>3</sub> includes a perovskite material or a metal oxide impregnated with a noble metal, the metal oxide comprising at least one selected from Fe<sub>2</sub>O<sub>3</sub>, Cr<sub>2</sub>O<sub>3</sub>, MgO, La<sub>2</sub>O<sub>3</sub>, and CeO<sub>2</sub>, and the noble metal comprising at least one selected from Pt, Pd, Ir, Rh, and Ru.

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